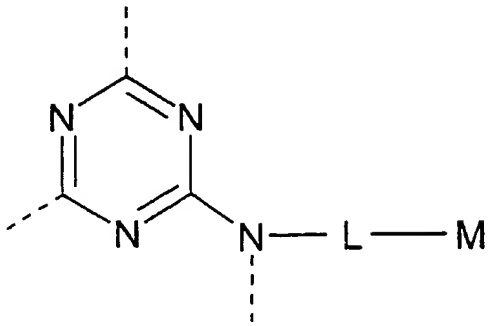
(A) is one or more herbicidally active aminotriazine compounds having a partial structure of the formula (I)



(I)

where

L: is a straight-chain or branched, optionally mono- or polysubstituted and/or -bridged alkylene group having 1 to 6 carbon atoms, where one CH_2 group may be replaced by O, N, $S(O)_x$, where x is 0, 1 or 2, or by NO, or is a corresponding alkenylene or alkynylene group having 2 to 8 carbon atoms, where one CH_2 group may be replaced by O, and which is optionally mono- or polysubstituted and/or -bridged, and

M is an unsubstituted or substituted aryl or heterocyclyl group,

with the proviso that one of the two remaining radicals on the triazine ring is haloalkyl if -L- is a group of the formula $-CH(CH_3)-CH_2-O-$,

and

(B) is one or more herbicides selected from the group of compounds consisting of

(B1) foliar- and/or soil-acting herbicides which are active against monocotyledonous harmful plants selected from the group consisting of

(B1.1.1) isoproturon,

(B1.1.2) chlorotoluron,

(B1.2.1) flufenacet,

(B1.2.2) pendimethalin,

(B1.2.3) prosulfocarb,

(B1.3.1) clodinafop-propargyl,

(B1.3.2) diclofop-methyl,

(B1.3.3) fenoxaprop-P-ethyl and fenoxaprop-ethyl,

(B1.3.4) quizalofop-P and its salts and esters and quizalofop and its salts and esters,

(B1.3.5) fluazifop-P and its esters and fluazifop and its esters,

(B1.3.6) haloxyfop and haloxyfop-P and their esters,

(B1.3.7) propaquizafop (PM, p. 1021-1022),

(B1.3.8) cyhalofop and its esters,

(B1.4.1) sethoxydim,

(B1.4.2) cycloxydim

(B1.4.3) clethodim,

(B1.4.4) clefoxidim,

(B1.4.5) tralkoxidim,

(B1.5.1) dimethenamid,

(B1.5.2) penthoxamid,

(B1.5.3) butachlor,

(B1.5.4) pretilachlor,

(B1.6.1) imazamethabenz-methyl

(B1.6.2) simazin

(B1.6.3) molinate

(B1.6.4) thiobencarb

(B1.6.4) MY 100,

(B1.6.5) anilofos,

(B1.6.6) cafenstrole,

(B1.6.7) mefenacet,

(B1.6.8) fentrazamid,

(B1.6.9) thiazopyr,

(B1.6.10) oxadiazon,

(B1.6.11) esprocarb,

(B1.6.12) pyributicarb,

(B1.6.13) azimsulfuron,

(B1.6.14) AEB391 and related azoles,

(B1.6.15) thenylchlor,

(B1.6.16) pentoxazone,

(B1.6.17) pyriminobac and pyriminobac-methyl,

(B1.6.18) flucarbazone and its salts and

(B1.6.19) procarbazone and its salts,

(B2) herbicides which are active predominantly against dicotyledonous harmful plants selected from the group consisting of

(B2.1.1) tribenuron-methyl,

(B2.1.2) thifensulfuron and its esters,

(B2.1.3) prosulfuron,

(B2.1.4) amidosulfuron,

(B2.1.5) chlorimuron and its esters,

(B2.1.6) halosulfuron and its esters and salts,

(B2.1.7) LAB271272, (= tritosulfuron),

(B2.1.8) bensulfuron-methyl,

(B2.1.9) ethoxysulfuron,

(B2.1.10) cinosulfuron,

(B2.1.11) pyrazosulfuron and its esters,

(B2.1.12) imazosulfuron,

(B2.1.13) cyclosulfamuron,

(B2.2.1) MCPA,

(B2.2.2) 2,4-D,

(B2.2.3) dichlorprop,

(B2.2.4) mecoprop-(P),

(B2.2.5) fluoroxypyr,

(B2.2.6) dicamba,

(B2.2.7) clopyralid,

(B2.2.8) picloram,

(B.2.3.1) bromoxynil,

(B.2.3.2) ioxynil,

(B2.4.1) fluoroglycofen-ethyl,

(B2.4.2) aclonifen,

(B2.4.3) acifluorfen and its salts,

(B2.5.1) cloransulam and its esters

(B2.5.2) florasulam,

(B2.6.1) bentazone,

(B2.6.2) bifenox,

(B2.6.3) carfentrazone-ethyl,

(B2.6.4) pyraflufen,

(B2.6.5) pyridate,

(B2.6.6) linuron,

(B2.6.7) diflufenzopyr and its salts,

(B2.6.8) cinidon-ethyl,

(B2.6.9) clopyralid and its salts and esters,

(B2.6.10) metribuzin,

(B2.6.11) picolinafen,

(B2.6.12) clomazone,

(B2.6.13) bromobutide,

(B2.6.14) benfuresate,

(B2.6.15) dithiopyr and

(B2.6.16) triclopyr and its salts and esters,

(B3) herbicides which are active against monocotyledonous and dicotyledonous harmful plants selected from the group consisting of

(B3.1.1) metsulfuron and its esters,

(B3.1.2) triasulfuron,

(B3.1.3) chlorsulfuron,

(B3.1.4) iodosulfuron-methyl,

(B3.1.5) AEF060,

(B3.1.6) sulfosulfuron,

(B3.1.7) flupyrsulfuron and its salts,

(B3.1.8) nicosulfuron,

(B3.1.9) rimsulfuron,

(B3.1.10) primisulfuron and esters,

(B3.1.11) AEF360,

(B3.2.1) cyanazin

(B3.2.2) atrazin

(B3.2.3) terbuthylazin,

(B3.2.4) terbutryn,

(B3.3.1) acetochlor

(B3.3.2) metolachlor,

(B3.3.3) alachlor,

(B3.4.1) clomazone,

(B3.4.2) diflufenican,

(B3.4.3) flumetsulam,

(B3.4.4) flurtamone,

(B3.4.5) isoxaflutole,

(B3.4.6) metosulam,

(B3.4.7) metribuzin,

(B3.4.8) paraquat (salts),

(B3.4.9) benoxacor,

(B3.4.10) sulcotrione,

(B3.4.11) mesotrione,

(B3.4.12) quinclorac,

(B3.4.13) propanil,

(B3.4.14) bispyribac, bispyribac-Na,

(B3.4.15) LGC 40863 (pyribenzoxim),

(B3.4.16) oxadiargyl,

(B3.4.17) norflurazon,

(B3.4.18) fluometuron,

(B3.4.19) methylarsonic acid and its salts (DSMA, MSMA).

(B3.4.20) prometryn,

(B3.4.21) trifluralin,

(B4) herbicides which are active against monocotyledonous and dicotyledonous harmful plants and which can be employed specifically in tolerant crops or on non-crop land, selected from the group consisting of

(B4.1.1) glufosinate,

(B4.1.2) glufosinate monoammonium salt,

(B4.1.3) L-glufosinate,

(B4.1.4) L-glufosinate monoammonium salt,

(B4.1.5) bilanafos,

(B4.2.1) glyphosate,

(B4.2.2) glyphosate monoisopropylammonium salt,

(B4.2.3) glyphosate sodium salt,

(B4.2.4) sulfosate,

(B4.3.1) imazapyr,

(B4.3.2) imazethapyr

(B4.3.3) imazamethabenz, and its salts and esters,

(B4.3.4) imazamox and its salts and esters,

(B4.3.5) imazaquin and its salts and esters,

(B4.3.6) imazapic (AC 263,222) and its salts and esters

(B4.4.1) WC9717 or CGA276854,

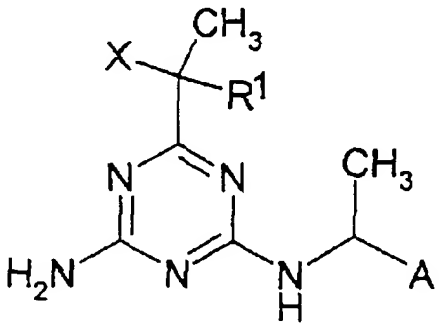
(B4.4.2) azafenidin,

(B4.4.3) diuron and

(B4.4.4) oxyfluorfen,

and, if appropriate, their agriculturally useful salts,

except for combinations of herbicides of the formula (I')



(I')

in which

R^1 is H or methyl,

X is a chlorine or fluorine atom and

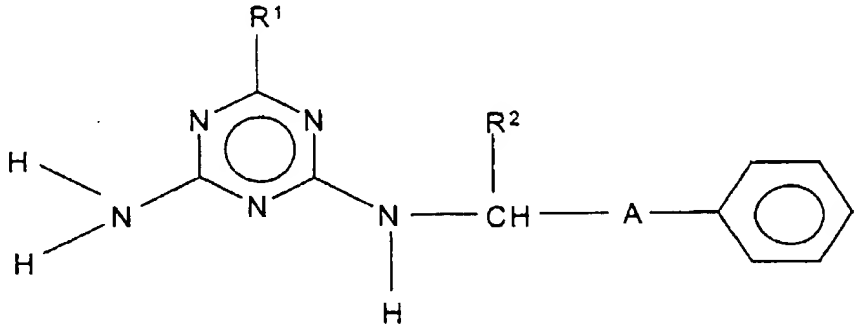
A is a phenoxymethyl group which is unsubstituted in the phenyl ring or substituted by one or two radicals selected from the group consisting of methyl and fluorine, or

is a benzofuran-2-yl or benzothiophene-2-yl radical,

with herbicides from the group consisting of

amidosulfuron, bensulfuron-methyl, chlorsulfuron, clopyralid, dicamba, diclofop-methyl, dithiopyr, diuron, fenoxaprop-(P)-ethyl, fluroxypyr, halosulfuron, imazaquin, imazosulfuron, isoproturon, linuron, mecoprop (MCPP), metsulfuron-methyl, nicosulfuron, pendimethalin, primisulfuron, prosulfocarb, pyrazosulfuron, pryazosulfuron-ethyl, rimsulfuron, simazine, thifensulfuron, triasulfuron, tribenuron-methyl, triclopyr and trifluralin.

3. (Amended) The herbicide combination as claimed in claim 1, which comprises, as component (A), one or more triazine derivatives of the formula (X)



(X)

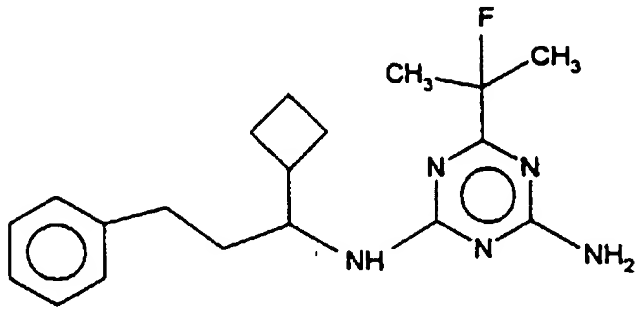
in which

R^1 is $(C_1\text{-}C_4)$-alkyl or $(C_1\text{-}C_4)$-haloalkyl;

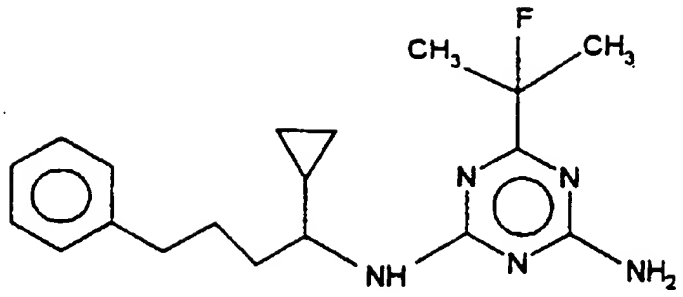
R^2 is $(C_1\text{-}C_4)$-alkyl, $(C_3\text{-}C_6)$-cycloalkyl or $(C_3\text{-}C_6)$-cycloalkyl-$(C_1\text{-}C_4)$-alkyl and

A is $-CH_2-$, $-CH_2-CH_2-$, $-CH_2-CH_2-CH_2-$, $-CH_2-O-$, $-CH_2-CH_2-O-$, $-CH_2-CH_2-CH_2-O-$.

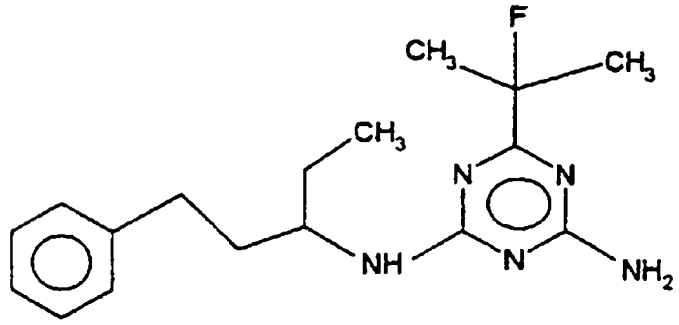
4. (Amended) The herbicide combination as claimed in claim 1, which comprises, as component (A), one or more triazine derivatives of the formulae (A1), (A2), (A3), (A4), (A5), (A6) and (A7):

(A1) 

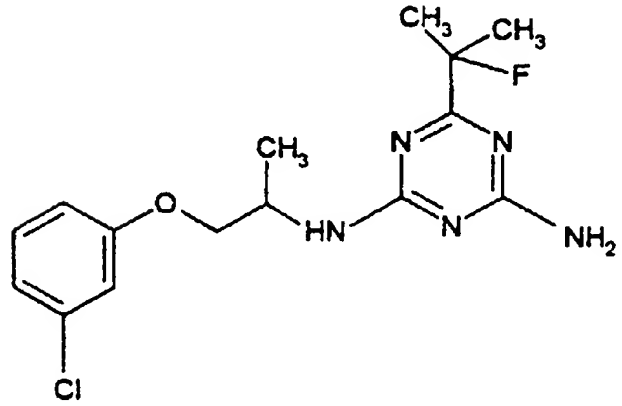
(A2)



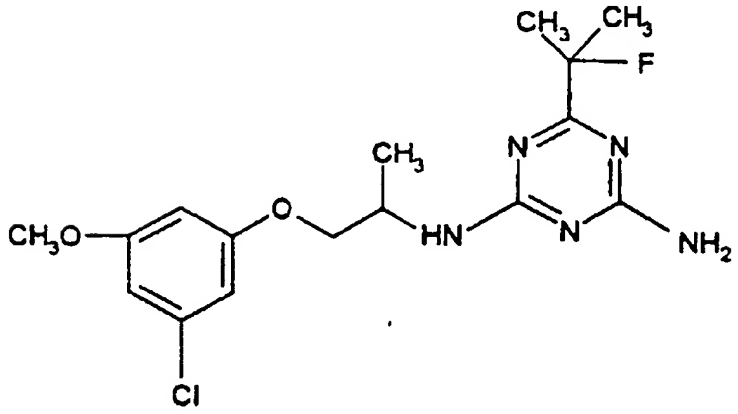
(A3)



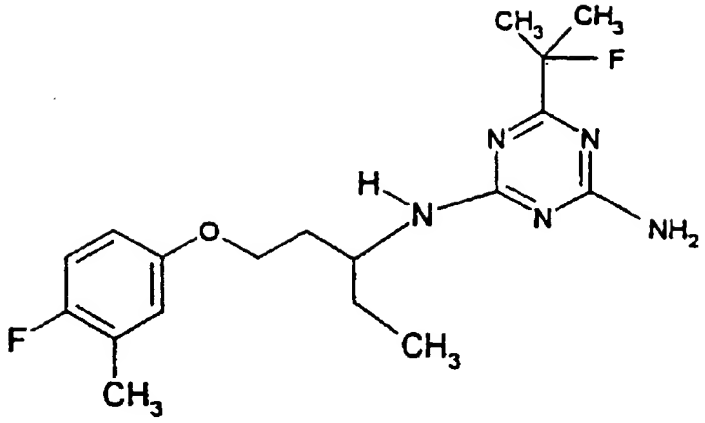
(A4)



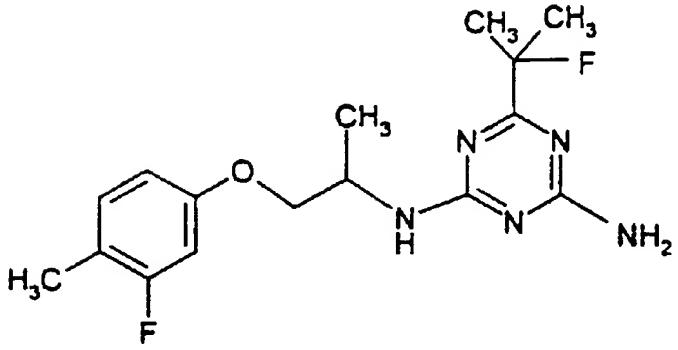
(A5)



(A6)



(A 7)



5. (Amended) The herbicide combination as claimed in claim 1, wherein the components are present in a weight ratio (A) : (B) from 1:800 to 3000:1.

6. The herbicide combination as claimed in claim 1, which comprises one or more further components selected from the group consisting of crop protection agents of a different type, additives which are customary in crop protection and formulation auxiliaries.

7. A method for controlling harmful plants, which comprises applying the herbicides of the herbicide combination as defined in claim 1 together or separately, pre-emergence, post-emergence or pre- and post-emergence, to the plants, parts of plants, plant seeds or the area under cultivation.

10. The use of the herbicide combinations defined in claim 1 for controlling harmful plants.